

Claims

- [c1] A ceramic greensheet comprising:
 - non-functional test structures located in regions outside functional wiring modules,
 - wherein said non-functional test structures indicate the spacing and size of wires in said functional wiring modules.
- [c2] The ceramic greensheet in claim 1, wherein said regions outside said functional wiring modules comprise regions that are removed as said greensheet is divided into said functional wiring modules.
- [c3] The ceramic greensheet in claim 1, wherein said non-functional wires have the same design spacing, size, and angles as wires in said functional wiring modules.
- [c4] The ceramic greensheet in claim 1, wherein said non-functional test structures comprise representative wires of wires in said functional wiring modules.
- [c5] The ceramic greensheet in claim 1, further comprising additional non-functional test structures positioned across edges of said functional wiring modules.

- [c6] The ceramic greensheet in claim 1, wherein said functional wiring modules are surrounded by kerf regions, such that each of said functional wiring modules is adapted to be separated into an individual module when said greensheet is divided.
- [c7] A ceramic greensheet comprising:
 - non-functional test structures located across edges of said functional wiring modules,
 - wherein said non-functional test structures indicate the spacing and size of wires in said functional wiring modules.
- [c8] The ceramic greensheet in claim 7, wherein said at least a portion of said non-functional test structures are located in regions of said ceramic greensheet that are removed as said greensheet is divided into said functional wiring modules.
- [c9] The ceramic greensheet in claim 7, wherein said non-functional wires have the same design spacing, size, and angles as wires in said functional wiring modules.
- [c10] The ceramic greensheet in claim 7, wherein said non-functional test structures comprise representative wires of wires in said functional wiring modules.
- [c11] The ceramic greensheet in claim 7, wherein said func-

tional wiring modules are surrounded by kerf regions, such that each of said functional wiring modules is adapted to be separated into an individual module when said greensheet is divided.

- [c12] A method of testing wiring spacing and sizing in ceramic greensheets, said method comprising:
forming non-functional test structures in regions outside functional wiring modules of said ceramic greensheets;
trimming an exterior perimeter of said greensheets; and
examining said non-functional test structures as exposed by said trimming process,
wherein said non-functional test structures indicate the spacing and size of wires in functional wiring modules.
- [c13] The method in claim 12, wherein said non-functional wires have the same design spacing, size, and angles as wires in said functional wiring modules.
- [c14] The method in claim 12, wherein said non-functional test structures comprise representative wires of wires in said functional wiring modules.
- [c15] The method in claim 12, further comprising, before said trimming process, forming additional non-functional test structures across edges of said functional wiring modules.

- [c16] The method in claim 12, wherein said forming of said non-functional test structures forms different structures within each layer of said ceramic greensheets.
- [c17] A method of testing wiring spacing and sizing in ceramic greensheets, said method comprising:
 - forming non-functional test structures in kerf regions outside functional wiring modules of said ceramic greensheets and across edges of said functional wiring modules;
 - dividing said greensheets along said kerf regions; and
 - examining said non-functional test structures as exposed by said dividing process,wherein said non-functional test structures indicate the spacing and size of wires in functional wiring modules.
- [c18] The method in claim 17, wherein said dividing process comprises removing said kerf regions to divide said greensheets into said functional wiring modules.
- [c19] The method in claim 17, wherein said non-functional wires have the same design spacing, size, and angles as wires in said functional wiring modules.
- [c20] The method in claim 17, wherein said non-functional test structures comprise representative wires of wires in said functional wiring modules.

- [c21] The method in claim 17, wherein said functional wiring modules are surrounded by kerf regions, such that dividing process separates said functional wiring modules into individual modules.
- [c22] The method in claim 17, wherein said forming of said non-functional test structures forms different structures within each layer of said ceramic greensheets.